

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No. **15-024**First Inventor or Application Identifier **KOBAYASHI et al.**Title **ELECTRONIC CONTROL UNIT FOR USE IN  
AUTOMOTIVE VEHICLE**

Express Mail Label No.

**APPLICATION ELEMENTS**  
See MPEP chapter 600 concerning utility patent application contents.ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ \* Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Specification [Total Pages **16**]

-Descriptive title of the Invention

-Cross Reference to Related Applications

-Background of the Invention

-Summary of the Invention

-Brief Description of the Drawings

-Detailed Description of the Preferred Embodiment

-Claims

-Abstract of the Disclosure

3. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets **7**]

4. Oath or Declaration [Total Sheets **4**]

- a. ☒ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 C.F.R. § 1.63 (d))  
(for continuation/divisional with Box 16 completed)
- i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting  
inventor(s) named in the prior application,  
see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).

\*NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY  
FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT  
IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28)

5. ☐ Microfiche Computer Program (Appendix)
6. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
- a. ☐ Computer Readable Copy
- b. ☐ Paper Copy (identical to computer copy)
- c. ☐ Statement verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

7. ☒ Assignment Papers (cover sheet & document(s))
8. ☐ 37 C.F.R. § 3.73(b) ☐ Power of  
Statement (when there is an assignee) Attorney
9. ☐ English Translation Document (if applicable)
10. ☒ Information Disclosure ☒ Copies of IDS  
Statement (IDS)/PTO-1449 Citations
11. ☐ Preliminary Amendment
12. ☒ Return Receipt Postcard (MPEP 503)  
(should be specifically itemized)
- \*Small Entity  
Statement(s) ☐ Statement filed in prior application,  
(PTO/SB/09-12) Status still proper and desired
13. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
14. ☒ Other: .....
15. ☐ Other: .....

16. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_

Group/Art Unit: \_\_\_\_\_

For **CONTINUATION** or **DIVISIONAL APPS** only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**17. CORRESPONDENCE ADDRESS**☒ Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label  
here) **23400**

or ☐ Correspondence address below

|         |           |          |  |
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| Name    |           |          |  |
| Address |           |          |  |
| City    | State     | Zip Code |  |
| Country | Telephone | Fax      |  |

|                   |                      |                                   |                      |
|-------------------|----------------------|-----------------------------------|----------------------|
| Name (Print/type) | <b>DAVID G. POSZ</b> | Registration No. (Attorney/Agent) | <b>37,701</b>        |
| Signature         | <b>[Signature]</b>   | Date                              | <b>Jan. 14, 2002</b> |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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**FEE TRANSMITTAL**  
**for FY 2002**

Patent fees are subject to annual revision.

**Complete if Known**

|                      |                  |
|----------------------|------------------|
| Application Number   |                  |
| Filing Date          | January 14, 2002 |
| First Named Inventor | KOBAYASHI et al. |
| Examiner Name        |                  |
| Group/Art Unit       |                  |
| Attorney Docket No.  | 15-024           |

TOTAL AMOUNT OF PAYMENT (\$ 780)

**METHOD OF PAYMENT (check one)**

- 1.
- ☐
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit  
Account  
Number

50-1147

Deposit  
Account  
Name

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☒ Charge Any Additional Fee Required  
Under 37 CFR 1.16 and 1.17

- 2.
- ☒
- Payment Enclosed:

☒ Check ☐ Money Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity<br>Fee Code | Large Entity<br>Fee (\$) | Small Entity<br>Fee Code | Small Entity<br>Fee (\$) | Fee Description        | Fee Paid |
|--------------------------|--------------------------|--------------------------|--------------------------|------------------------|----------|
| 101                      | 740                      | 201                      | 370                      | Utility filing fee     | 740      |
| 106                      | 330                      | 206                      | 165                      | Design filing fee      |          |
| 107                      | 510                      | 207                      | 255                      | Plant filing fee       |          |
| 108                      | 740                      | 208                      | 370                      | Reissue filing fee     |          |
| 114                      | 160                      | 214                      | 80                       | Provisional filing fee |          |

SUBTOTAL (1) (\$ 740)

**2. EXTRA CLAIM FEES**

| Total Claims       | Extra Claims | Fee from Below | Fee Paid |
|--------------------|--------------|----------------|----------|
| 12                 | -20**=       | 0              | 18       |
| Independent Claims | 2            | -3**=          | 0        |
| Multiple Dependent |              |                |          |

\*\*or number previously paid, if greater; For Reissues, see below

| Large Entity<br>Fee Code | Large Entity<br>Fee (\$) | Small Entity<br>Fee Code | Small Entity<br>Fee (\$) | Fee Description   | Fee Paid |
|--------------------------|--------------------------|--------------------------|--------------------------|---|----------|
| 103                      | 18                       | 203                      | 9                        | Claims in excess of 20                                    |          |
| 102                      | 84                       | 202                      | 42                       | Independent claims in excess of 3                         |          |
| 104                      | 280                      | 204                      | 140                      | Multiple dependent claim, if not paid                     |          |
| 109                      | 84                       | 209                      | 42                       | **Reissue independent claims over original patent         |          |
| 110                      | 18                       | 210                      | 9                        | **Reissue claims in excess of 20 and over original patent |          |

SUBTOTAL (2) (\$ 0)

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

| Large Entity<br>Fee Code | Large Entity<br>Fee (\$) | Small Entity<br>Fee Code | Small Entity<br>Fee (\$) | Fee Description  | Fee Paid |
|--------------------------|--------------------------|--------------------------|--------------------------|--|----------|
| 105                      | 130                      | 205                      | 65                       | Surcharge - late filing fee or oath  |          |
| 127                      | 50                       | 227                      | 25                       | Surcharge - late provisional filing fee or cover sheet                     |          |
| 139                      | 130                      | 139                      | 130                      | Non-English specification  |          |
| 147                      | 2,520                    | 147                      | 2,520                    | For filing a request for reexamination                                     |          |
| 112                      | 920*                     | 112                      | 920*                     | Requesting publication of SIR prior to Examiner action                     |          |
| 113                      | 1,840*                   | 113                      | 1,840*                   | Requesting publication of SIR after Examiner action                        |          |
| 115                      | 110                      | 215                      | 55                       | Extension for reply within first month                                     |          |
| 116                      | 400                      | 216                      | 200                      | Extension for reply within second month                                    |          |
| 117                      | 920                      | 217                      | 460                      | Extension for reply within third month                                     |          |
| 118                      | 1440                     | 218                      | 720                      | Extension for reply within fourth month                                    |          |
| 128                      | 1960                     | 228                      | 980                      | Extension for reply within fifth month                                     |          |
| 119                      | 320                      | 219                      | 160                      | Notice of Appeal   |          |
| 120                      | 320                      | 220                      | 160                      | Filing a brief in support of an appeal                                     |          |
| 121                      | 280                      | 221                      | 140                      | Request for oral hearing   |          |
| 138                      | 1,510                    | 138                      | 1,510                    | Petition to institute a public use proceeding                              |          |
| 140                      | 110                      | 240                      | 55                       | Petition to revive - unavoidable   |          |
| 141                      | 1,280                    | 241                      | 640                      | Petition to revive - unintentional   |          |
| 142                      | 1,280                    | 242                      | 640                      | Utility issue fee (or reissue)   |          |
| 143                      | 460                      | 243                      | 230                      | Design issue fee   |          |
| 144                      | 620                      | 244                      | 310                      | Plant issue fee  |          |
| 122                      | 130                      | 122                      | 130                      | Petitions to the Commissioner  |          |
| 123                      | 50                       | 123                      | 50                       | Petitions related to provisional applications                              |          |
| 126                      | 180                      | 126                      | 180                      | Submission of information Disclosure Stmt                                  |          |
| 581                      | 40                       | 581                      | 40                       | Recording each patent assignment per property (times number of properties) | 40       |
| 146                      | 740                      | 246                      | 370                      | Filing a submission after final rejection (37 CFR § 1.129(a))              |          |
| 149                      | 740                      | 249                      | 370                      | For each additional invention to be examined (37 CFR § 1.129(b))           |          |

Other fee (specify) \_\_\_\_\_

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$ 40)

**SUBMITTED BY**

Name (Print/Type) DAVID G. POSZ

Signature

Registration No.  
(Attorney/Agent)

37,701

**Complete (if applicable)**

Telephone

(202) 416-1638

Date

Jan. 14, 2002

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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SPECIALIZING IN PATENTS, TRADEMARKS & COPYRIGHTS

DAVID G. POSZ  
CHARLES W. BETHARDS\*  
KERRY S. CULPEPPER

\* ADMITTED ONLY IN ILLINOIS  
PRACTICE LIMITED TO FEDERAL PATENT,  
TRADEMARK AND COPYRIGHT MATTERS

January 14, 2002

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Hon. Commissioner of Patents and Trademarks  
Washington, D.C. 20231

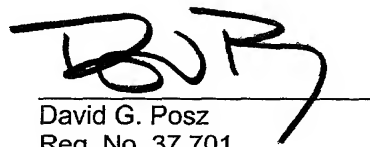
Sir:

**OIPE HAND DELIVERY FILING CERTIFICATE**

**Applicant:** KOBAYASHI et al.  
**For:** ELECTRONIC CONTROL UNIT FOR USE IN AUTOMOTIVE VEHICLE  
**Docket:** 15-024  
**Attorney:** David G. Posz  
**Date of Deposit:** January 14, 2002

I hereby certify that this certificate and the following documents are being hand delivered to, and deposited with, the USPTO at the Customer Service Window, Office of Initial Patent Examination, Crystal Plaza Building 2, Room 1B03, 2011 South Clark Place, Arlington, VA 22202 on the above-indicated date, and are addressed to the Commissioner of Patents and Trademarks/Assistant Commissioner for Patents, Washington, D.C., 20231:

- return receipt postcard;
- transmittal form (2 copies);
- fee calculation form (2 copies);
- 16 page specification including 12 numbered claims;
- 7 sheets of formal drawings;
- executed declaration/power of attorney;
- executed assignment with recordation cover sheet (2 pages total);
- IDS with PTO-1449 form and 3 references;
- 2 certified copy(ies) of priority document(s) (JP 2001-44884, JP 2001-44885); and
- check for \$780.

  
David G. Posz  
Reg. No. 37,701  
Attorney for Applicant